Contents of Volume 22

Volume 22 Number 1 January–February 2000

Abstracts of papers presented at the 1999 Pittsburgh Conference—Part C 1

New products 29

Meeting report 32

Volume 22 Number 2 March–April 2000

Arsenic speciation in beverages by direct injection-ion chromatography—hydride generation atomic fluorescence spectrometry 33
E. Moreno, C. Cámara, W. T. Corns, D. W. Bryce and P. B. Stockwell

Implementation of analytical technologies in a pharmaceutical development organization—looking into the next millennium 41
N. North

The importance of the laboratory to the pharmaceutical business 47
J. M. Hawkins

New products 53

Announcements 55

New software and systems 56

News 61

Forthcoming event 64

Volume 22 Number 3 May–June 2000

Multicentre evaluation of the Boehringer Mannheim/Hitachi 917 analysis system 65
J. D. E. van Suijlen, B. G. Blijenberg, J. Hofmann, K. Bauer, Z. Zaman, N. Blanckaert, P. Degenhard, K. Wielckens, C. Ferré, A. Torralba, M. Martyn, A. Kelly, F. Ceriotti, P. A. Bonini, W. Bablok, M. McGovern and W. Stockmann

An improved leaping detector for flow analysis applied to iron speciation in drugs 83
S. R. B. Santos, M. C. U. Araújo, R. S. Honorato, E. A. G. Zagatto, J. F. C. Lima and R. A. S. Lapa

Automated bone marrow analysis using the CD4000 automated haematology analyser 89
R. Yamamura, T. Yamane, M. Hino, K. Ohta, K.-R. Koh, I. Tsuda, T. Takubo and N. Tatsumi

New products 93

News 96

Volume 22 Number 4 July–August 2000

Performance characteristics of a low-cost, field-deployable miniature CCD spectrometer 97
S. Coles, M. Nimmo and P. J. Worsfold

Development of a method for the determination of ultra-trace level mercury in adipose tissue by cold vapour atomic fluorescence spectrometry 103
K. E. Levine, R. A. Fernando, M. Lang, A. Essader, R. W. Handy and B. J. Collins

Hirudin as an anticoagulant for both haematology and chemistry tests 109
T. Kumura, M. Hino, T. Yamane and N. Tatsumi

Software review 113

New products 115

News 123

Volume 22 Number 5 September–October 2000

An improved automated immunoassay for C-reactive protein on the Dimension® clinical chemistry system 125
T. Q. Wei, S. Kramer, V. P. Chu, D. Hudson, D. Kilgore, S. Salyer, G. Parker, A. Eyberger, R. Arentzen and H. Koiv

Automation — down to the nuts and bolts 133
R. J. Fix Sr, J. M. Rowe and B. C. McConnell

Case study of the automation options and decisions made in implementing a high-throughput cell based screen using the FLIPR™ 139
D. J. Hook

An industrial engineering approach to laboratory automation for high throughput screening 143
K. C. Menke

Dealing with the data deluge in high throughput screening 145
P. Skehan

Drug discovery from Nature: automated high-quality sample preparation 149
R. Thiericke

Software reviews 159

New products 162

News 165

Announcement 168

Volume 22 Number 6 November–December 2000

Managing laboratory automation: integration and informatics in drug discovery 169
C. J. Manly

High throughput drug profiling 171
M. Entzeroth, B. Chapelain, J. Guilbert and V. Hamon

The planning and establishment of a sample preparation laboratory for drug discovery 175
C. Dufresne

The Zymark BenchMate™. A compact, fully-automated solution-phase reaction work-up facility for multiple parallel synthesis 181
G. A. Hamlin

A fully automated liquid–liquid extraction system utilizing interface detection 187
E. Maslana, R. Schmitt and J. Pan

A centralized global automation group in a decentralized organization 195
J. Ormand, J. Bruner, L. Birkemo, J. Hinderliter-Smith and J. Veitch

Implementation of and experiences with new automation 199
I. Mahmud and D. Kim

Software review 203

New products 205

Announcement 207

Index of Authors 209